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Quantitative analysis of two types of instruction: (1) Group instruction in which students are taught in regular classes on regular schedule and (2) individual instruction. Four separate categories of individual instruction were considered: "(1) Directed individual study for undergraduate students; (2) directed individual study for graduate students; (3) graduate study-papers, theses, and dissertations; and (4) individual experience-type instruction (e.g., internship, practicum in guidance, practicum in child development)."

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AN ANALYSIS OF CLASS SIZE

in the

FLORIDA STATE UNIVERSITY

Fall Semester, 1959

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education

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Office of
INSTITUTIONAL RESEARCH AND SERVICE
Florida State University

ED00584

AN ANALYSIS OF CLASS SIZE IN THE FLORIDA STATE UNIVERSITY: FALL SEMESTER, 1959

Prepared in the
Office of Institutional Research and Service
Florida State University
February, 1960

AN ANALYSIS OF CLASS SIZE IN THE FLORIDA STATE UNIVERSITY: FALL SEMESTER, 1959

INTRODUCTION

This study is the seventh in a series of analyses of class size made annually by the Office of Institutional Research and Service. The studies have been made to assist Florida State University administrators (especially deans and department heads) in the appraisal of (1) current policies and practices regarding class size, (2) current utilization of instructional space, and (3) the effectiveness of use of teaching time.

It has been the intent of this study to analyze quantitatively two types of instruction: (1) group instruction in which students are taught in regular classes on a regular schedule and (2) individual instruction. Because there is no adequate uniformity of practice or of course numbering it has not always been possible to distinguish between these two types of instruction on the basis of course number alone. In these cases it has been necessary to exercise judgment in classifying certain courses. Although an honest effort has been made to make valid judgments it is possible that some of these judgments may have been in error.[2] As a result, the findings of this report must be regarded as approximations. It is believed, however, that the data here presented reflect conditions very close to the true situation.

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[1] Prepared in the Office of Institutional Research and Service, Florida State University. OIRS acknowledges with gratitute the assistance of the Office of the Registrar in the development of this study.

[2] It has not been feasible to footnote every case in which a judgment has been made.

In the analysis of group instruction, effort has been made to determine in each case the number of students meeting in one room with one teacher at one given time. It is not unusual practice in the Florida State University for students in different but related course registrations (e.g., different course registrations in Art, Art Education, and the like) to meet together. Since actual class size rather than course registrations has been the focal point of this study every attempt has been made to identify these "multi-registration" classes.

It has seemed desirable to identify and consider four separate categories of individual instruction: (1) directed individual study for undergraduate students; (2) directed individual study for graduate students; (3) graduate study-papers, theses, and dissertations; and (4) individual experience-type instruction (e.g., internship, practicum in guidance, practicum in child development). The number of students registered in each of these types of courses has been recorded.

GROUND RULES

It has been suggested that certain difficulties and problems have been encountered during the progress of this study.[1] Because of these difficulties and problems it has been necessary to establish certain ground rules. Among the ground rules used in this study are the following:[2]

a. A class formed from students registered in two or more departments or schools was counted as one class and credited to the department or school which furnished the teacher or leader of the class.

b. When registrations in courses of two or more levels were combined as one class, the class was assigned to the level of the course which furnished the larger (or largest) number of registrations.

---

[1] Certain of the problems encountered in this study are enumerated in the Appendix.

[2] It has not been feasible to establish ground rules to cover all cases. In some cases judgment had to be exercised.

c. Laboratory sections listed in the class recapitulation as distinct from lecture sections were counted as separate classes.

d. Courses at the 400 level were counted as undergraduate courses in all cases- even though a substantial number or majority of the students in the course were graduate students. The rationale was that these courses were designed primarily for undergraduate students.

e. Students registered for directed individual study courses who met with regular classes were counted as parts of these classes and not as DIS students. Hence, it is believed that the number of DIS students indicated in each category represents the minimum number who were actually engaged in directed individual study.

f. Single registrations in courses which seemed to be designated (by number) to be taught as classes were counted as classes. The number of such cases was small.

g. Registrations for courses in which instruction was conducted on an individual basis were classified as individual instruction even though the course numbers seemed to indicate class registrations (e.g., Botany 555-6-7, Chemistry 551-2-3-4, Physiology 551-561).

h. Private lessons in music were counted as individual instruction even though the course numbers seemed to indicate class registrations.

i. "M" or modified courses which met with regular classes were counted as parts of those classes. When, however, those registered for the "M" or modified course met as a separate class the "M" or modified course was counted as a distinct class.

j. Off-campus and extension courses were not included in this class-size analysis.

k. In general, registrations in internship courses were counted as individual instruction.

THE FINDINGS

The findings of the study are summarized in Tables 1-16 which follow. The tables are self-explanatory.

TABLE 1

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959
Florida State University
COMPARISON OF AVERAGE CLASS SIZES AND EXTENT OF SMALL CLASSES, 1958 AND 1959
(Undergraduate Level Only)

SCHOOL OR COLLEGE	FALL SEMESTER, 1958				FALL SEMESTER, 1959			
	Mean Size	Total Classes	Small Classes[1]	Percentage of Small Classes	Mean Size	Total Classes	Small Classes[1]	Percentage of Small Classes
Arts and Sciences	28.1	853	108	12.7%	29.2	939	108	11.5%
Business	26.5	147	15	10.2	25.0	163	24	14.7
Education	24.1	208	29	13.9	21.0	265	63	23.8
Home Economics	21.0	71	11	15.5	19.5	78	19	24.4
Journalism	16.2	21	6	28.6	----*	---*	--*	----*
Library	29.0	17	1	5.9	29.0	18	0	0.0
Music	22.9	78	35	44.9	20.0	95	49	51.6
Nursing	21.2	19	1	5.3	21.7	20	4	20.0
Public Administration	22.5	8	1	12.5	18.3	6	3	50.0
Social Welfare	31.3	32	1	3.1	30.1	33	3	9.1
Inter-Divisional (Adv., Child Dev.&Govt.)**	22.0[2]	10[2]	0[2]	0.0[2]	23.5[3]	2[3]	0[3]	0.0[3]
ENTIRE UNIVERSITY	26.5	1464	208	14.2%	28.0	1619	273	16.9%

[1]Classes enrolling less than 12 students. Does not include individual instruction of any kind.

[2]Advertising and Child Development only.

[3]Child Development only.

*The School of Journalism at the Florida State University was disbanded as of June 30, 1959.

**NOTE. In the fall of 1959 the Department of Advertising became a part of the School of Business.

TABLE 2

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959
Florida State University
EXTENT OF INDIVIDUAL INSTRUCTION
(Shown as Number of Student Registrations)

SCHOOL OR COLLEGE	Undergrad. DIS	Graduate DIS	Grad. Papers and Theses	Internship and Other Indiv. Instr.	Total-All Indiv. Instr.	Total-All Instr.	Percentage of Indiv. Instr.
Arts and Sciences	37	63	119	38	257	28509	0.9%
Business	0	3	10	0	13	4138	0.3
Education	4	8	24	227	263	5974	4.4
Home Economics	0	2	3	15	20	1590	1.3
Library	0	1	2	0	3	795	0.4
Music	0	25	20	509[1]	554	2022	27.4
Nursing	0	0	0	0	0	433	0.0
Public Administration	3	0	1	0	4	138	2.9
Social Welfare	1	2	4	41	48	1589	3.0
Inter-Divisional (Adv., Child Dev.& Govt.)	1	5	0	0	6	107	5.6
ENTIRE UNIVERSITY	46	109	183	830	1168	45295	2.6%[2]

[1]496 are individual (private) music lessons.

[2]Omitting the 496 registrations for individual (private) music lessons the percentage of individual instruction drops to 1.5%. Omitting all individual (private) music lessons (496) and all registrations for internships and practicums (334)--a total of 830 altogether--the percentage of individual instruction drops to 0.7%.

TABLE 3

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

ENTIRE UNIVERSITY

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4	20	2.1%	59	9.0%	83	32.0%	162	8.6%	79	4.9%
5-7	20	2.1	58	8.8	46	17.8	124	6.6	78	4.8
8-11	30	3.1	86	13.2	41	15.8	157	8.4	116	7.2
12-15	54	5.6	86	13.2	43	16.6	183	9.7	140	8.6
16-19	77	8.0	83	12.7	15	5.8	175	9.3	160	9.9
20-24	145	15.0	91	13.9	11	4.2	247	13.2	236	14.6
25-29	222	23.0	70	10.7	4	1.5	296	15.8	292	18.0
30-34	153	15.9	40	6.1	5	1.9	198	10.8	193	11.9
35-39	95	9.8	34	5.2	3	1.2	132	7.0	129	8.0
40-44	42	4.3	19	2.9	4	1.5	65	3.5	61	3.8
45-49	35	3.6	13	2.0	1	0.4	49	2.6	48	3.0
50-74	42	4.3	13	2.0	3	1.2	58	3.1	55	3.4
75-99	9	0.9	1	0.2			10	0.5	10	0.6
100-149	12	1.2					12	0.6	12	0.7
150-200	7	0.7					7	0.4	7	0.4
Over 200	3	0.3					3	0.2	3	0.2
TOTAL CLASSES	966	99.9%	653	99.9%	259	99.9%	1878	100.3%	1619	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	31.0	27.6
Upper	19.2	21.5
Graduate	10.5	7.9
ALL Levels	24.1	22.2
Undergraduate Only	28.0	25.3

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	46
Graduate DIS	109
Grad. Papers and Theses	183
Internship and Other Indiv. Instr.	830
TOTAL	1168

TABLE 4

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

COLLEGE OF ARTS AND SCIENCES

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4	6	0.9%	13	5.1%	46	36.0%	65	6.0%	19	2.0%
5-7	8	1.2	33	12.8	26	20.5	67	6.3	41	4.4
8-11	14	2.1	34	13.2	18	14.2	66	6.2	48	5.1
12-15	36	5.3	43	16.7	22	17.3	101	9.5	79	8.4
16-19	57	8.4	37	14.4	7	5.5	101	9.5	94	10.0
20-24	97	14.2	28	10.9	3	2.4	128	12.0	125	13.3
25-29	170	25.0	29	11.3	1	0.8	200	18.8	199	21.2
30-34	97	14.2	15	5.8	2	1.6	114	10.7	112	11.9
35-39	77	11.3	7	2.7			84	7.9	84	8.9
40-44	33	4.8	8	3.1	1	0.8	42	3.9	41	4.4
45-49	24	3.5	3	1.2			27	2.5	27	2.9
50-74	36	5.3	6	2.3	1	0.8	43	4.0	42	4.5
75-99	7	1.0	1	0.4			8	0.8	8	0.9
100-149	10	1.5					10	0.9	10	1.1
150-200	7	1.0					7	0.7	7	0.7
Over 200	3	0.4					3	0.3	3	0.3
TOTAL CLASSES	682	100.1%	257	99.9%	127	99.9%	1066	100.0%	939	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	33.1	28.1
Upper	18.7	16.2
Graduate	8.7	6.5
ALL Levels	26.7	24.6
Undergraduate Only	29.2	26.1

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	37
Graduate DIS	63
Grad. Papers and Theses	119
Internship and Other Indiv. Instr.	38
TOTAL	257

TABLE 5

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

SCHOOL OF BUSINESS

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4			4	3.2%	4	44.4%	8	4.7%	4	2.5%
5-7			3	2.4	1	11.2	4	2.3	3	1.8
8-11	1	2.7%	16	12.7	2	22.2	19	11.1	17	10.4
12-15	3	8.1	12	9.5	2	22.2	17	9.9	15	9.2
16-19	1	2.7	19	15.1			20	11.6	20	12.3
20-24	3	8.1	19	15.1			22	12.8	22	13.5
25-29	4	10.8	16	12.7			20	11.6	20	12.3
30-34	15	40.6	9	7.1			24	14.0	24	14.7
35-39	8	21.6	15	11.9			23	13.4	23	14.1
40-44	1	2.7	5	4.0			6	3.5	6	3.6
45-49	1	2.7	3	2.4			4	2.3	4	2.5
50-74			5	4.0			5	2.9	5	3.1
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	37	100.0%	126	100.1%	9	100.0%	172	100.0%	163	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	29.4	31.7
Upper	23.8	21.9
Graduate	6.6	6.0
ALL Levels	24.1	23.5
Undergraduate Only	25.0	24.6

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. IEI	0
Graduate IEI	3
Grad. Papers and Theses	20
Internship and Other Indiv. Instr.	0
TOTAL	23

TABLE 6

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959
Florida State University

Instructional Unit:
SCHOOL OF EDUCATION

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4	3	2.4%	26	18.4%	16	32.0%	45	14.6%	29	10.9%
5-7			10	7.1	8	16.0	18	5.7	10	3.8
8-11	5	4.0	19	13.5	11	22.0	35	11.1	24	9.1
12-15	9	7.3	12	8.5	11	22.0	32	9.8	21	7.9
16-19	8	6.5	16	11.3	2	4.0	26	8.2	24	9.1
20-24	18	14.5	28	19.9	2	4.0	48	15.3	46	17.4
25-29	25	20.2	16	11.3			51	16.2	51	19.2
30-34	33	26.6	8	5.7			41	13.0	41	15.5
35-39	6	4.8	2	1.4			8	2.5	8	3.0
40-44	4	3.2	3	2.1			7	2.2	7	2.5
45-49	1	0.8	1	0.8			2	0.6	2	0.8
50-74	2	1.6					2	0.6	2	0.8
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	124	99.9%	141	100.0%	50	100.0%	315	99.8%	265	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	26.3	27.2
Upper	16.3	16.4
Graduate	8.4	7.8
All Levels	19.0	19.6
Undergraduate Only	21.0	20.8

EXTENT OF INDIVIDUAL INSTRUCTION

SOURCE	STUDENTS
Undergrad. SCH	4
Graduate SCH	8
Grad. Papers and Theses	24
Internship and Other Indiv. Instr	227
TOTAL	263

TABLE 7

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

SCHOOL OF HOME ECONOMICS

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4			1	2.8%	7	50.0%	8	8.7%	1	1.3%
5-7	1	2.4%	6	16.7	6	42.9	13	14.1	7	9.0
8-11	1	2.4	10	27.8			11	11.9	11	14.1
12-15	2	4.8	5	13.9	1	7.1	8	8.7	7	9.0
16-19	6	14.3	7	19.4			13	14.1	13	16.7
20-24	19	45.2	3	8.3			22	23.9	22	28.2
25-29	7	16.7					7	7.6	7	9.0
30-34	4	9.5	1	2.8			5	5.4	5	6.4
35-39	1	2.4	3	8.3			4	4.3	4	5.1
40-44										
45-49	1	2.4					1	1.1	1	1.3
50-74										
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	42	100.1%	36	100.0%	14	100.0%	92	99.8%	78	100.1%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	23.4	22.4
Upper	14.9	12.3
Graduate	4.9	7.5
All Levels	17.3	17.3
Undergraduate Only	19.5	24.5

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. IES	0
Graduate IES	2
Grad. Papers and Theses	3
Internship and Other Indiv. Instr.	15
TOTAL	20

TABLE 8

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

LIBRARY SCHOOL

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4										
5-7					3	25.0%	3	10.0%		
8-11					1	8.3	1	3.3		
12-15			1	9.1%	1	8.3	2	6.7	1	5.6%
16-19			2	18.2	1	8.3	3	10.0	2	11.1
20-24			6	54.5	2	16.7	8	26.7	6	33.3
25-29			2	18.2			2	6.7	2	11.1
30-34	1	14.3%			1	8.3	2	6.7	1	5.6
35-39	2	28.6					2	6.7	2	11.1
40-44	1	14.3			1	8.3	2	6.7	1	5.6
45-49	2	28.6			1	8.3	3	10.0	2	11.1
50-74	1	14.3			1	8.3	2	6.7	1	5.6
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	7	100.1%	11	100.0%	12	99.8%	30	100.2%	18	100.1%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	41.4	42.0
Upper	21.1	21.6
Graduate	22.8	24.5
ALL Levels	26.5	23.3
Undergraduate Only	29.0	29.5

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	0
Graduate DIS	1
Grad. Papers and Theses	2
Internship and Other Indiv. Instr.	0
TOTAL	3

TABLE 9

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

SCHOOL OF MUSIC

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4	10	17.2%	11	29.7%	2	25.0%	23	22.3%	21	22.1%
5-7	11	19.0	3	8.1			14	13.6	14	14.7
8-11	8	13.8	6	16.2	3	37.5	17	16.5	14	14.7
12-15	3	5.2	6	16.2	1	12.5	10	9.7	9	9.5
16-19	2	3.4			1	12.5	3	2.9	2	2.1
20-24	6	10.3	2	5.4			8	7.8	8	8.4
25-29	5	8.6	2	5.4	1	12.5	8	7.8	7	7.4
30-34	1	1.7	1	2.7			2	1.9	2	2.1
35-39	1	1.7	2	5.4			3	2.9	3	3.2
40-44	2	3.4	2	5.4			4	3.9	4	4.2
45-49	2	3.4	2	5.4			4	3.9	4	4.2
50-74	3	5.2					3	2.9	3	3.2
75-99	2	3.4					2	1.9	2	2.1
100-149	2	3.4					2	1.9	2	2.1
150-200										
Over 200										
TOTAL CLASSES	58	99.7%	37	99.9%	8	100.0%	103	99.9%	95	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	22.8	15.5
Upper	15.6	10.5
Graduate	15.0	10.2
ALL Levels	19.6	10.9
Undergraduate Only	20.0	11.1

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	0
Graduate DIS	25
Grad. Papers and Theses	20
Internship and Other Indiv. Instr.	509*
TOTAL	554

*496 are individual (private) music lessons.

TABLE 10

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

SCHOOL OF NURSING

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4	1	25.0%	1	6.3%			2	10.0%	2	10.0%
5-7			1	6.3			1	5.0	1	5.0
8-11			1	6.3			1	5.0	1	5.0
12-15			6	37.5			6	30.0	6	30.0
16-19	2	50.0					2	10.0	2	10.0
20-24	1	25.0					1	5.0	1	5.0
25-29			2	12.5			2	10.0	2	10.0
30-34			2	12.5			2	10.0	2	10.0
35-39			1	6.3			1	5.0	1	5.0
40-44										
45-49										
50-74			2	12.5			2	10.0	2	10.0
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	4	100.0%	16	100.2%	NONE		20	100.0%	20	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	14.5	17.5
Upper	23.4	14.8
Graduate	0	0
ALL Levels	21.7	19.5
Undergraduate Only	21.7	19.5

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	0
Graduate DIS	0
Grad. Papers and Theses	0
Internship and Other Indiv. Instr.	0
TOTAL	0

TABLE 11

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

SCHOOL OF PUBLIC ADMINISTRATION

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4			2	40.0%			2	22.2%	2	33.2%
5-7			1	20.0			1	11.1	1	16.7
8-11					2	66.7%	2	22.1		
12-15					1	33.3	1	11.1		
16-19										
20-24			1	20.0			1	11.1	1	16.7
25-29			1	20.0			1	11.1	1	16.7
30-34										
35-39										
40-44										
45-49	1	100.0%					1	11.1	1	16.7
50-74										
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	1	100.0%	5	100.0%	3	100.0%	9	99.8%	6	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	47.0	47.0
Upper	12.6	6.0
Graduate	9.3	8.0
ALL Levels	15.3	10.5
Undergraduate Only	18.3	23.0

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	3
Graduate DIS	0
Grad. Papers and Theses	1
Internship and Other Indiv. Instr.	0
TOTAL	4

TABLE 12

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

SCHOOL OF SOCIAL WELFARE

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4			1	4.2%	7	21.9%	8	12.3%	1	3.0%
5-7			1	4.2	2	6.3	3	4.6	1	3.0
8-11	1	11.1%			3	9.4	4	6.2	1	3.0
12-15	1	11.1	1	4.2	4	12.5	6	9.2	2	6.1
16-19			2	8.2	4	12.5	6	9.2	2	6.1
20-24	1	11.1	4	16.7	3	9.4	8	12.3	5	15.2
25-29	1	11.1	2	8.2	1	3.1	4	6.2	3	9.1
30-34	1	11.1	4	16.7	2	6.3	7	10.8	5	15.2
35-39			4	16.7	3	9.4	7	10.8	4	12.1
40-44	1	11.1	1	4.2	2	6.3	4	6.2	2	6.1
45-49	3	33.3	4	16.7			7	10.8	7	21.2
50-74					1	3.1	1	1.5		
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	9	99.9%	24	100.0%	32	100.2%	65	100.1%	33	100.1%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	32.0	32.0
Upper	29.4	30.8
Graduate	18.6	19.5
ALL Levels	24.4	22.9
Undergraduate Only	30.1	31.0

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	1
Graduate DIS	2
Grad. Papers and Theses	4
Internship and Other Indiv. Instr.	41
TOTAL	48

TABLE 13

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

CHILD DEVELOPMENT*

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4										
5-7										
8-11					1	33.3%	1	20.0%		
12-15										
16-19	1	50.0%					1	20.0%	1	50.0%
20-24					1	33.3	1	20.0		
25-29					1	33.3	1	20.0		
30-34	1	50.0					1	20.0	1	50.0
35-39										
40-44										
45-49										
50-74										
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	2	100.0%	NONE		3	99.9%	5	100.0%	2	100.0%

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	23.5	23.5
Upper	0	0
Graduate	19.6	22.0
ALL Levels	21.2	22.0
Undergraduate Only	23.5	23.5

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	1
Graduate DIS	5
Grad. Papers and Theses	0
Internship and Other Indiv. Instr.	0
TOTAL	6

*Taught jointly by the College of Arts and Sciences, the School of Education, the School of Social Welfare, and the School of Home Economics.

TABLE 14

ANALYSIS OF CLASS SIZE, FALL SEMESTER, 1959

Florida State University

Instructional Unit:

GOVERNMENT*

NUMBER OF STUDENTS	LOWER LEVEL (0-200) N	%	UPPER LEVEL (300-400) N	%	GRAD. LEVEL (500-600) N	%	ALL LEVELS (0-600) N	%	UNDERGRAD. ONLY (0-400) N	%
1-4					1	100.0%	1	100.0%		
5-7										
8-11										
12-15										
16-19										
20-24										
25-29										
30-34										
35-39										
40-44										
45-49										
50-74										
75-99										
100-149										
150-200										
Over 200										
TOTAL CLASSES	NONE		NONE		1	100.0%	1	100.0%	NONE	

CENTRAL TENDENCY OF CLASS SIZE

LEVEL	MEAN	MEDIAN
Lower	0	0
Upper	0	0
Graduate	1	1
ALL Levels	1	1
Undergraduate Only	0	0

EXTENT OF INDIVIDUAL INSTRUCTION

COURSE	STUDENTS
Undergrad. DIS	0
Graduate DIS	0
Grad. Papers and Theses	0
Internship and Other Indiv. Instr.	0
TOTAL	0

*Taught jointly by the Department of Political Science and the School of Public Administration.

TRENDS IN CLASS SIZE: 1953-1959

This is the seventh in a series of analyses of class size made over a period of seven years. A comparison of data should indicate trends in class size in this University. Table 15 sets forth certain data concerning the size of undergraduate level (i.e., 100-400 level) classes over the period 1953-1959.

TABLE 15

COMPARATIVE DATA CONCERNING CLASS SIZE[1]
(Undergraduate Level Only)

Florida State University
1953 - 1959

YEAR	MEAN CLASS SIZE	TOTAL NUMBER CLASSES	NUMBER SMALL CLASSES[2]	PERCENTAGE SMALL CLASSES[2]
FALL SEMESTER, 1953	17.4	1549	330	21.3%
FALL SEMESTER, 1954	24.0	1179	233	19.8
FALL SEMESTER, 1955	26.8	1291	198	15.3
FALL SEMESTER, 1956	28.9	1248	161	12.9
FALL SEMESTER, 1957	27.5	1354	152	11.2
FALL SEMESTER, 1958	26.5	1464	208	14.2
FALL SEMESTER, 1959	28.0	1619	273	16.9

It will be noted that the mean undergraduate class size increased steadily from 1953 to 1956. It then decreased slightly in 1957 and in 1958 but increased again in 1959. The total number of classes has fluctuated considerably. Although there were approximately 3198 more students enrolled in the University in the fall of 1959 than were enrolled in the fall of 1953 there were only 70 more undergraduate

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[1]Does not include individual instruction of any kind.

[2]Classes enrolling less than 12 students.

classes in the fall of 1959 than in the fall of 1953. The number of small classes (i.e., classes enrolling less than 12 students) at the undergraduate level decreased sharply from 1953 to 1957--from 330 to 152, a 53.9 per cent decrease--but in the fall of 1959 increased again to 273 (an increase of 121 small classes over the fall of 1957). The percentage of small classes also declined steadily from the fall of 1953 to the fall of 1957--from 21.3 per cent to 11.2 per cent--but increased in the fall of 1959 to 16.9 per cent. In considering these statistics it should be remembered that undergraduate student enrollment increased approximately 45 per cent from the fall of 1954 to the fall of 1959. But two additional points should be noted. (1) Between the fall of 1953 and the fall of 1957 the percentage of small classes <u>decreased</u> 10.1 per cent. (2) Between the fall of 1957 and the fall of 1959, however, the percentage of small classes <u>increased</u> 5.7 per cent. It does not fall within the scope of this study to determine whether the increase in the number and percentage of small classes constitutes an undesirable trend. The situation is perhaps one which bears watching.

To be noted also are trends concerning the number of large classes in the Florida State University. In the fall of 1954 there were seven classes in the University each of which enrolled over 75 students. The number of large classes (i.e., classes enrolling 75 or more students) increased to 17 in the fall of 1955, to 37 in the fall of 1956 and decreased slightly to 31 in the fall of 1958. The number in the fall of 1959 was 32.

Table 16 sets forth data concerning the extent of individual instruction for the period 1954 to 1959. There was a sharp decrease in the number of students enrolled in 491 series and 591 series courses--from 298 in the fall of 1954 to 119 in the fall of 1958 (a 60.1 per cent decrease). In the fall of 1959, however, this number jumped back up to 155. The decrease in the number of undergraduate directed individual study courses (i.e., 491 series courses) was especially noteworthy--from 159 in 1954 to 33 in 1958 but in the fall of 1959 it increased again

TABLE 16

COMPARATIVE DATA CONCERNING EXTENT OF INDIVIDUAL INSTRUCTION
(Shown as Number of Student Registrations)

Florida State University
1954 - 1959

YEAR	Undergrad. DES	Graduate DES	Grad. Papers and Theses	Internship and Other Indiv. Instr.	Total-All Indiv. Instr.	Total-All Instr.	Percentage of Indiv. Instruction
FALL SEMESTER, 1954	159	139	89	---	----	-----	---
FALL SEMESTER, 1955	134	136	76	657	1003	37106	2.7%
FALL SEMESTER, 1956	125	120	75	811	1131	39023	2.9
FALL SEMESTER, 1957	58	122	122	825	1127	39301	2.9
FALL SEMESTER, 1958	33	86	136	886	1141	41277	2.8
FALL SEMESTER, 1959	46	109	183	830	1168	45295	2.6

to 46. The number of registrations for graduate study-papers, theses, dissertations and individual experience-type instruction (e.g., internship, practicum in guidance, private music lessons) increased from 733 in the fall of 1955 to 1022 in the fall of 1958. In the fall of 1959 it fell back slightly to 1011.

CLASS SIZE IN THE FUTURE

The Florida State University has expended considerable effort during the past seven years to bring class size to realistic standards. Undergraduate mean class size increased sharply, then decreased slightly, then in the fall of 1959 rose to a point more than one and one-half times the mean class size in 1953. The number of small undergraduate level classes (i.e., less than 12 students) in 1959, while greater than in 1957 and 1958, is still only 83 per cent of the number of small undergraduate level classes in 1953. Directed individual study at the undergraduate level has been reduced by about 71 per cent.

Is the Florida State University now in a defensible position with regard to class size? Is the mean class size at a desirable level? Is there a reasonable balance in class size? In the fall of 1959 the University has at the undergraduate level 273 classes each having fewer than 12 students. At the same time it has three classes each having more than 200 students, 22 classes each with 100 or more students and 32 each with 75 or more students. Are these conditions defensible? The fall of 1959 still finds 46 students enrolled in 401 section courses and 100 students enrolled in 700 section courses, a total of 133. Do these figures approach a realistic minimum?

It does not fall within the scope of this study to provide answers to these and related questions. But with rapidly increasing enrollments, limited faculty resources, and limited budgets in prospect it seems reasonable to contend that there are problems with which the University will have to deal in the years that lie immediately ahead.

APPENDIX

APPENDIX

PROBLEMS ENCOUNTERED IN ANALYSIS OF CLASS SIZE

During the progress of this study of class size numerous problems have been encountered which militate against the highest degree of accuracy. The findings of this analysis must therefore be considered as approximations. It is believed, however, that the data here presented reflect conditions very close to the true situation.

Representative of the problems encountered during the course of the study are the following:

a. Registrations in the 491 and 591 series were handled in various ways. In some cases the registration indicated directed individual study (one student and one teacher meeting together at regular or irregular intervals with the major responsibility for progress resting with the student). In other cases students registered in these series met with students registered under entirely different course numbers. In some "classes" students met together who were registered in as many as six to ten different courses. How then should 491 and 591 series registrations be handled in a study of this kind?

b. Courses with dual listings (e.g., History 462-Classical Civilization 462) are difficult to handle in an analysis of this type. How should credit be assigned?

c. In some 400-level courses most (or even all) of the enrollees are graduate students. These courses, nevertheless, are counted as undergraduate courses. Is this correct procedure?

d. Different schools and departments use different numbers for internship courses. As a result it is not always easy to distinguish the internship courses. Would it be possible to use the same course number (e.g., Education 400, Library Science 400, and so on) for internship courses throughout the University?

e. Skill curricula such as art and music require many performance-type experiences, many on an individual basis. In order to get these performance-type experiences a given student may register under four to eight or more course numbers, all of which are designed to improve techniques and skills. Is there no simpler way of doing this? Why, for instance, could not a student take over a period of years as much as twelve to twenty or more hours of applied art or applied music under a single course number?